

Rec'd PCT/PTO 15 JUN 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 July 2004 (01.07.2004)

PCT

(10) International Publication Number
WO 2004/054705 A1

(51) International Patent Classification⁷: B01J 19/12,
H05B 6/68

(SE). FAGRELL, Magnus [SE/SE]; Nordhemsvägen 7A,
S-756 46 UPPSALA (SE).

(21) International Application Number:
PCT/SE2003/001964

(74) Agent: DR LUDWIG BRANN PATENTBYRÅ AB; P O
Box 17192, S-104 62 STOCKHOLM (SE).

(22) International Filing Date:
17 December 2003 (17.12.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/433,966 18 December 2002 (18.12.2002) US
02102792.5 18 December 2002 (18.12.2002) EP

(71) Applicant (*for all designated States except US*): PER-
SONAL CHEMISTRY I UPPSALA AB [SE/SE];
Kungsgatan 76, S-753 18 UPPSALA (SE).

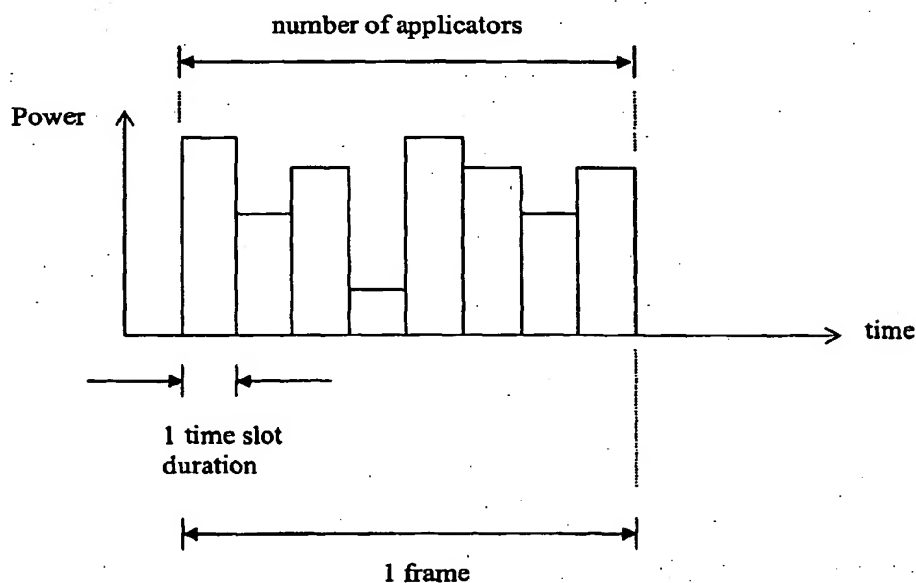
(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): RAY, Ian, Christo-
pher [GB/SE]; Jägarbacken 5, S-182 39 DANDERYD

[Continued on next page]

(54) Title: MICROWAVE HEATING SYSTEM



(57) Abstract: Microwave heating system comprising a plurality of microwave applicators for heating loads arranged in said applicators, a control means, one microwave generator to generate microwave energy having a controllable frequency and power level, and a microwave switch arranged to connect said microwave generator to each of said applicators. Each microwave applicator is dedicated a heating time slot in a time frame, and that said time frame comprises time slots for applicators to be heated. During microwave heating, microwave energy is applied to the microwave applicators in its respective time slot, in consecutive time frames.

WO 2004/054705 A1